

I-Dome

All-In-One, Mobile, Dual-Mission, Very Short Range (VSHORAD), Counter Rocket, Artillery, Mortar (C-RAM) Air Defense System



The innovative all-in-one mobile version of the operational and combat-proven Iron Dome system

Benefits

- Integrated single platform VSHORAD and C-RAM system
- Based on the operational and combat-proven Iron Dome
- Combat proven interceptors, with over 2,000 interceptions and with a proven probability of kill greater than 90%
- Protects mobile forces, as well as military/industrial/administrative installations
- Effective against a large variety of threats
- Quick-reaction and mobile system
- Simultaneously tracks and destroys multiple targets
- Functions as a stand-alone system or as an additional layer

I-Dome System

The innovative I-Dome is a new mobile version of the operational and combat-proven Iron Dome system.

I-Dome is a Dual-Mission, Very Short Range (VSHORAD), and Counter Rocket, Artillery, Mortar (C-RAM) Air Defense System.

I-Dome provides protection for motorized or mechanized troops, as well as point air defense of military/ industrial /administrative installations. I-Dome effectively protects against well as short to medium range rockets, mortars and artillery shells.

Innovative Design

I-Dome is an integrated system, with all system components installed on one single truck. I-Dome consists of a wheeled chassis launcher (6x6 truck chassis) with 10 Iron Dome interceptors, a radar, and a Battle Management & Control (BMC) operating station. The interceptors are placed in sealed, ready-to-launch canisters. They are inserted into two five tube groups on the turret. The interceptors are combat-proven with over 2,000 interceptions and with a proven probability of kill greater than 90%.

I-Dome

I-Dome is effective in all weather conditions, including low clouds, rain, dust storms, or fog. The system can simultaneously track and destroy multiple targets.

The system provides robust yet selective defense. Its ability to discriminate between threats headed towards the protected area and those that do not pose harm, reduces costs and limits unnecessary interceptor launches.

The system can function as a stand-alone system or as an additional layer and defensive asset of higher ranking air defense systems such as the SPYDER Air Defense system.

System Operation

The I-Dome radar detects and identifies the rocket or artillery shell launch and monitors its trajectory. Target data is transmitted to the Battle Management & Weapon Control (BMC) for processing.

The threat's trajectory is quickly analyzed and the expected impact point is estimated. If the estimated

rocket trajectory poses a critical threat, a command is given and an interceptor is launched against the threat.



Features

- Integrated system – all system components installed on one single truck
- Dual Mission - VSHORAD and C-RAM system
- Vertically-launched interceptor
- Based on the operational and combat-proven Iron Dome
- Functions as a stand-alone system or as an additional layer

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